

METHOD AND APPARATUS OF COORDINATING OPERATIONAL FEEDBACK IN A PLASMA CUTTER

Abstract

The present invention is directed to a system and method for improved operational feedback from a plasma torch to a plasma-cutting power source. A plasma cutter includes a plasma cutting power source, a plasma torch in communication with the plasma cutting power source, and a serialization circuit disposed within the plasma torch to control transmission of multiple feedback signals from the plasma torch to the plasma cutting power source. The serialization circuit receives the multiple feedback signals and places the feedback in a queue, such that the multiple feedback signals are sent from the queue to a processing unit in the power source via a single communications link.